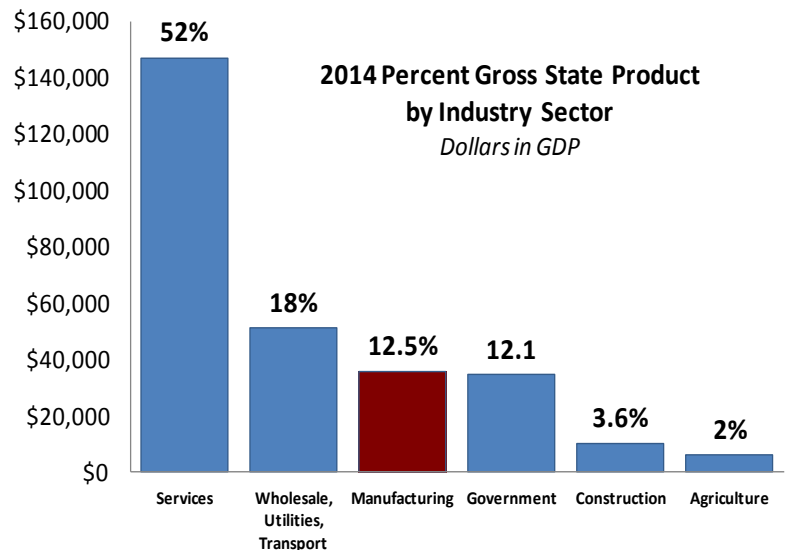




Missouri Economic Indicator Brief: Manufacturing Industries

Manufacturing is a major component of Missouri's economy. Manufacturing contributed over \$35 billion, or 12.5 percent, towards the 2014 Gross State Product. Manufacturing supports 255,831 direct jobs at an average wage of \$55,091. Missouri is slightly more concentrated in manufacturing than the nation where production represents 12.1 percent of the U.S. economy.



EMPLOYMENT

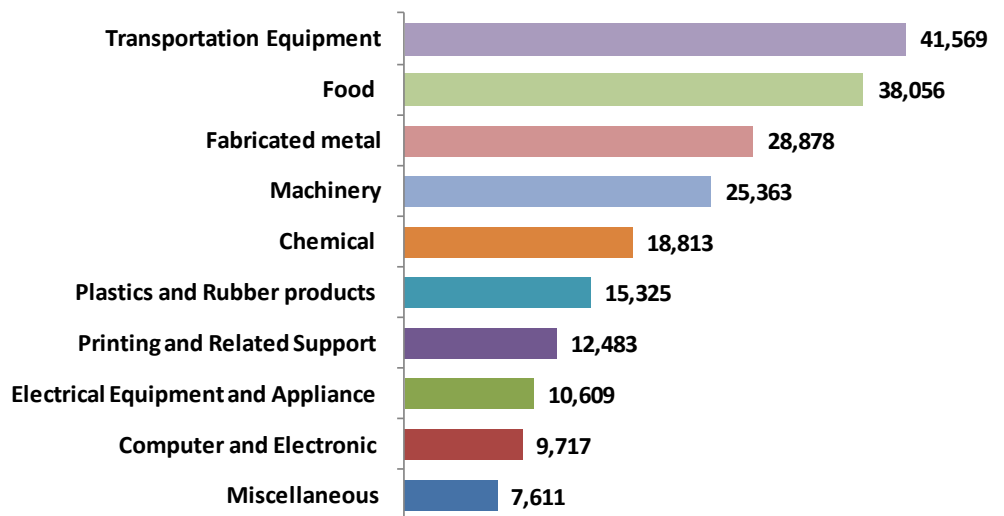
Missouri is home to 6,482 manufacturing firms, which collectively employ 255,831 workers. Manufacturing employment represents 11.4 percent of the total employment in Missouri. Manufacturing wages for 2014 totaled over \$14 billion. The average production facility had 39 employees.

255,831
Total
Manufacturing
Employment

12.5 Percent GSP

\$55,091
Average Wage

2014 Employment by Top 10 Manufacturing Industry

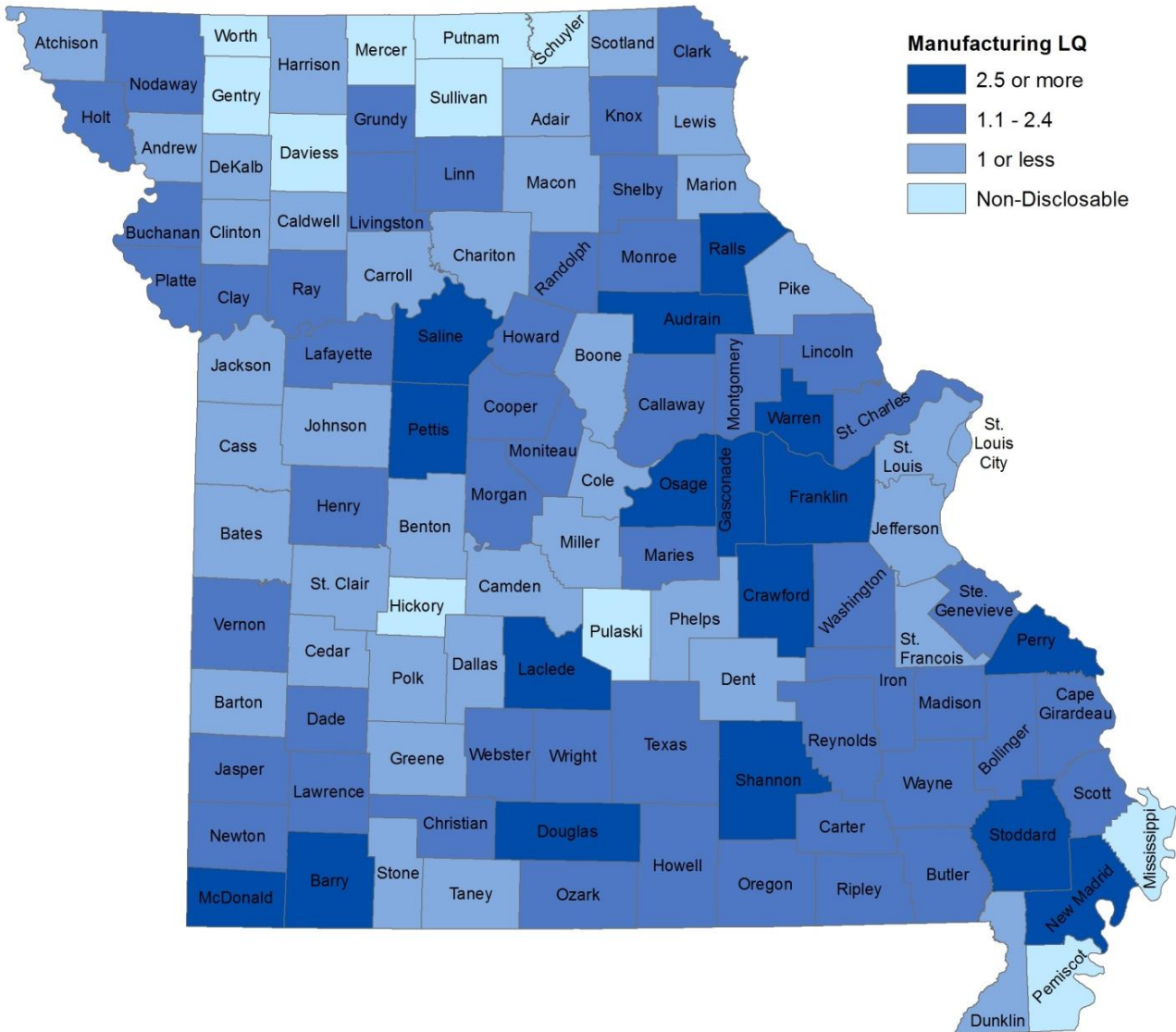


MANUFACTURING INDUSTRIES

Location Quotient Analysis

Location Quotient (LQ) compares the regional share of an industry to the national share so that an LQ over 1 indicates sectors of employment concentration. Missouri, with an LQ of 1.09, has a greater share of its workers employed in the manufacturing sector than the nation as a whole. **Over sixty percent of Missouri's counties (63) have an LQ over one, demonstrating a greater specialization in manufacturing compared to the nation as a whole**

Manufacturing LQ by County Map



MANUFACTURING INDUSTRIES

Economic Impacts

Manufacturing industries have important direct and indirect economic influences on Missouri's economy. Direct impacts are due to employment in manufacturing firms. Indirect economic benefits are realized through industries that supply raw materials to the manufacturing sector, and businesses that provide goods and services to industry workers. It also considers the impact of worker spending on consumer goods and services.

	Direct	Indirect	Total
Employment	255,831	452,071	707,902
Employee Compensation*	\$21.3 Billion	\$20.3 Billion	41.6 Billion
Gross State Product*	\$35.7 Billion	\$33.7Billion	\$69.4 Billion

*All figures in 2014 Dollars. Source: Minnesota IMPLAN Group, Inc.

Employment Impacts

Manufacturing industries employed 255,831 workers in 2014. Industries that supported manufacturing or benefited from worker spending (indirect impacts), employed an additional 452,071 workers. Overall a total of 707,902 people are employed in, or supported by, manufacturing. The employment multiplier for this industry is 2.77.

Labor Income

Manufacturing workers earned an average annual wage of \$55,091, which is 23 percent more than the state average wage across all industries. Manufacturing industries paid \$21.3 billion in compensation (wages and benefits) to manufacturing labor during 2014.

Gross State Product

Gross State Product takes into account employee compensation, profits and indirect business taxes.

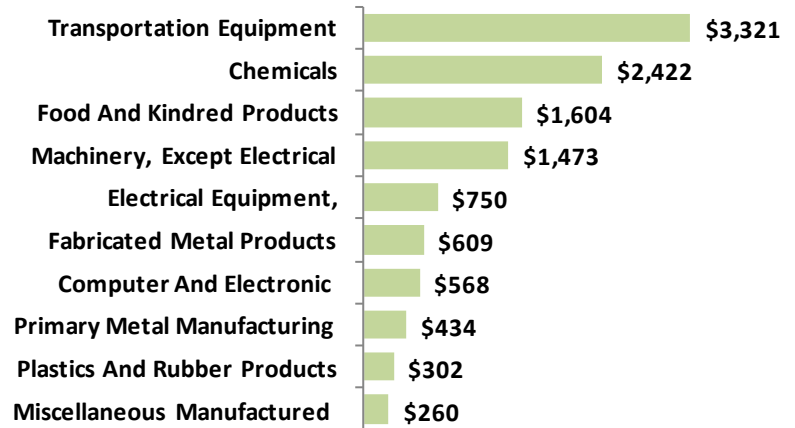
Manufacturing and indirect industries together added \$69.4 billion (over 24 percent) to Missouri's 2014 Gross State Product (\$284,462 billion).

MANUFACTURING INDUSTRIES

2014 Exports

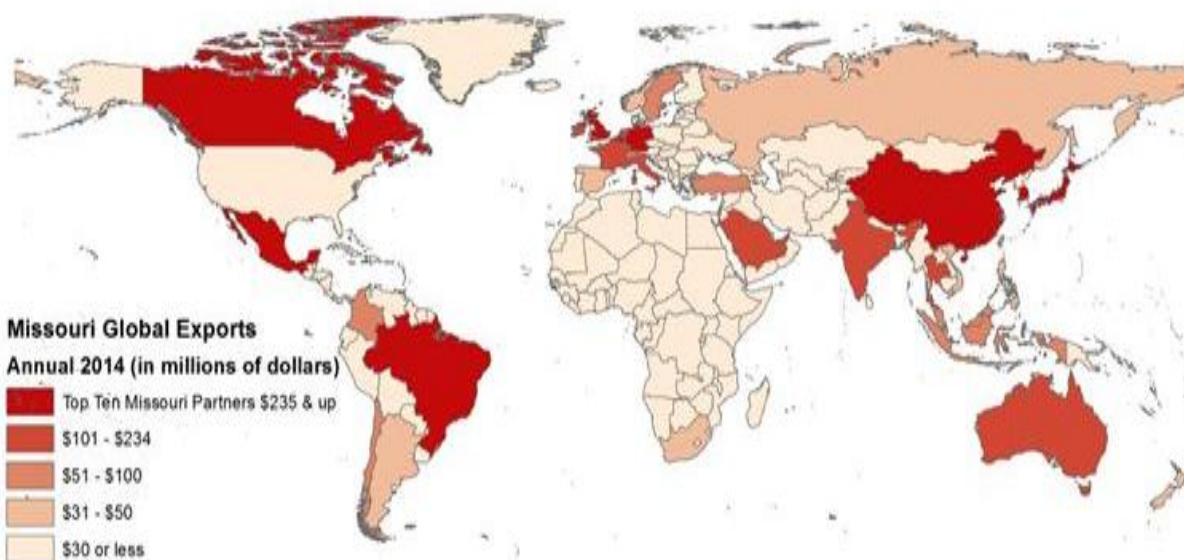
Manufacturing exports totaled more than 14 billion dollars. The two industries producing the most exports were *Transportation Equipment* and *Chemicals*. The *Transportation Equipment* industry sector had an 18.1 percent gain in exports during 2014. The chemical manufacturing sector had a 5.9 percent increase in exports during 2014.

Top Ten Missouri Manufacturing Exporters 2014



International Market

Over the past ten years Missouri's exports increased from \$9.0 billion to \$14.14 billion, realizing an almost 57 percent growth. Canada, Mexico, and China are the main countries receiving Missouri exports. Africa (90%), Central America (49%), Europe (40%) and Australia & Oceania (18%) exports have grown the most over the past ten years.



MANUFACTURING INDUSTRIES

Notes:

Employment numbers were obtained from the Quarterly Census of Employment and Wages, 2014, Bureau of Labor Statistics. Industries are classified into the North American Industry Classification System (NAICS).

Location quotients were generated for manufacturing industries using 2014 annual Bureau of Labor Statistics data.

The economic impact analysis was generated using the Minnesota IMPLAN Group, Inc. model. Indirect effects include both intermediate and induced effects.

2014 Missouri manufacturing export data was obtained from the World Institute for Strategic Economic Research (WISER) Trade database



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NAICS Industry Description

311	Food Products
312	Beverage and Tobacco Products
313	Textile Mills
314	Textile Product Mills
315	Apparel
316	Leather and Allied Products
321	Wood Products
322	Paper
323	Printing
324	Petroleum and Coal Products
325	Chemicals
326	Plastics and Rubber Products
327	Nonmetallic Mineral Products
331	Primary Metal
332	Fabricated Metal Products
333	Machinery
334	Computer and Electronic Products
335	Electrical Equipment
336	Transportation Equipment
337	Furniture
339	Miscellaneous

